ECLER

EDGE-SB110P

LOUDSPEAKERS
Subwoofers

USER MANUAL

PRECAUTIONS

WARRANTY & ENVIRONMENT

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1. PRECAUTIONS

1.1 Important Notice

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: SHOCK HAZARD - DO NOT OPEN

AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

The flashing light with an arrowhead symbol inside an equilateral triangle on it is intended to alert the user of the presence of non-insulated "dangerous voltage" within the enclosure, which might be of sufficient magnitude to pose a risk of electric shock to users.

The exclamation mark within an equilateral triangle is intended to alert the user of the requirement for important operating and maintenance (servicing), for which instructions may be found in the literature accompanying the appliance.

WARNING (If applicable): Terminals marked with symbol " ⚡ " may be of sufficient magnitude to pose a risk of electric shock. The external wiring connected to terminals requires installation by a technician, or the use of ready-made leads or cords.

WARNING: To prevent fire or shock hazard, do not expose this equipment to rain or humidity.

WARNING: A device with Class I manufacturing ought to be connected to a mains socket outlet with a protective earthing connection.

WARNING: Ecler products have a long lifetime of more than 10 years. This product must never be discarded as unsorted urban waste, but must be taken to the nearest electrical and electronic waste treatment centre.

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1.2   Key Safety Directions

1. Read the following directions.
2. Keep the following directions.
3. Heed all warnings.
4. Follow all directions.
5. Do not use this device in proximity to water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that may release heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades, being one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, contact a qualified electrician for a replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at the plugs, convenience receptacles, and at the point of exit from the device.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug the device during lightening sorts or when unused for long periods of time.
13. Refer all servicing to qualified personnel. Servicing is required when the device has been damaged in any way, such as power supply cord or plug damage, liquid spillage or objects onto the device, the device has been exposed to rain or humidity, does not operate normally, or has been dropped.
14. Disconnecting from mains: When switching off the POWER switch, all the functions and light indicators of the unit will be stopped, but fully disconnecting the device from mains is done by unplugging the power cable from the mains input socket, therefore, it should always remain easily accessible
15. Equipment is connected to a socket-outlet with an earthing connection by means of a power cord.
16. The marking information is located at the bottom/rear of the unit.
17. The device shall not be exposed to dripping or splashing liquids, and no liquid-filled objects, such as a filled up glass, shall be placed on top of the device.

1.3   Cleaning Directions

⚠️ **Clean the unit with a soft, dry clean cloth** or slightly wet with water and neutral liquid soap only, then dry it with a clean cloth. Be careful that water never gets into the unit through any hole. Never use alcohol, benzine, solvents or abrasive substances to clean this unit.

NEEC AUDIO BARCELONA, S.L. accepts no liability for any damage that may be caused to people, animal, or objects due to failure to comply with the warnings above.

2. WARRANTY & ENVIRONMENT

Thank you for choosing our Ecler EDGE-SB110P!
We greatly value your trust.

It is **VERY IMPORTANT to carefully read this manual** and to fully understand its contents before any connecting takes place in order to make the best use of this equipment, as well as to get the best performance from it.

To ensure optimal operation of this device, **we strongly recommend that its maintenance be carried out by our authorised Technical Services.**

All ECLER products are covered by warranty, please refer to www.ecler.com or the warranty card included with this product for the period of validity and conditions.

Ecler is truly committed with the environment and planet sustainability, energy saving and CO$_2$ emission reduction. Recycling materials and using non-contaminant components are also top priorities in our green crusade.

Ecler has deeply evaluated and analyzed the environmental impacts of all the processes involved in the production of this product, including packaging, and has alleviated, reduced and/or compensated for them.

3. PACKAGE CONTENTS

- 1 x EDGE-SB110P.
- 4 x Rubber feet.
- 1 x Vertical floor support.
- Wall support system (screws not included).
- 1 x EU AC Voltage cord (3x1.5m)
- 1 x RCA-RCA Stereo Interconnection cable
- First Steps Guide.
- Warranty card.

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4. DESCRIPTION & FEATURES

EDGE-SB110P delivers powerful bass sound in a compact size. EDGE subwoofer is perfectly designed for small available spaces like underneath restaurant seats or wall-mounted in a corner with the included bracket. This powered subwoofer of 181 mm high incorporates a 10" driver, 50Hz to 250Hz variable low pass filter, phase inverter and an amplified power output of 120W.

4.1 Main Features

- Ultra compact powered subwoofer.
- 10" driver.
- 120 W amplified power output.
- Balanced (Euroblock) and unbalanced (RCA) input.
- Balanced (Euroblock) and unbalanced (RCA) Stack Output.
- 50Hz to 250Hz variable low pass filter.
- Auto-standby.
- Phase inverter.
- Available in black colour (RAL9005).
- Several installation options (flat tabletop, underneath seats, vertical, wall-mounted...).
- EASE files available.

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5. POSITIONING & INSTALLATION

5.1 Positioning

Please observe following general rules:

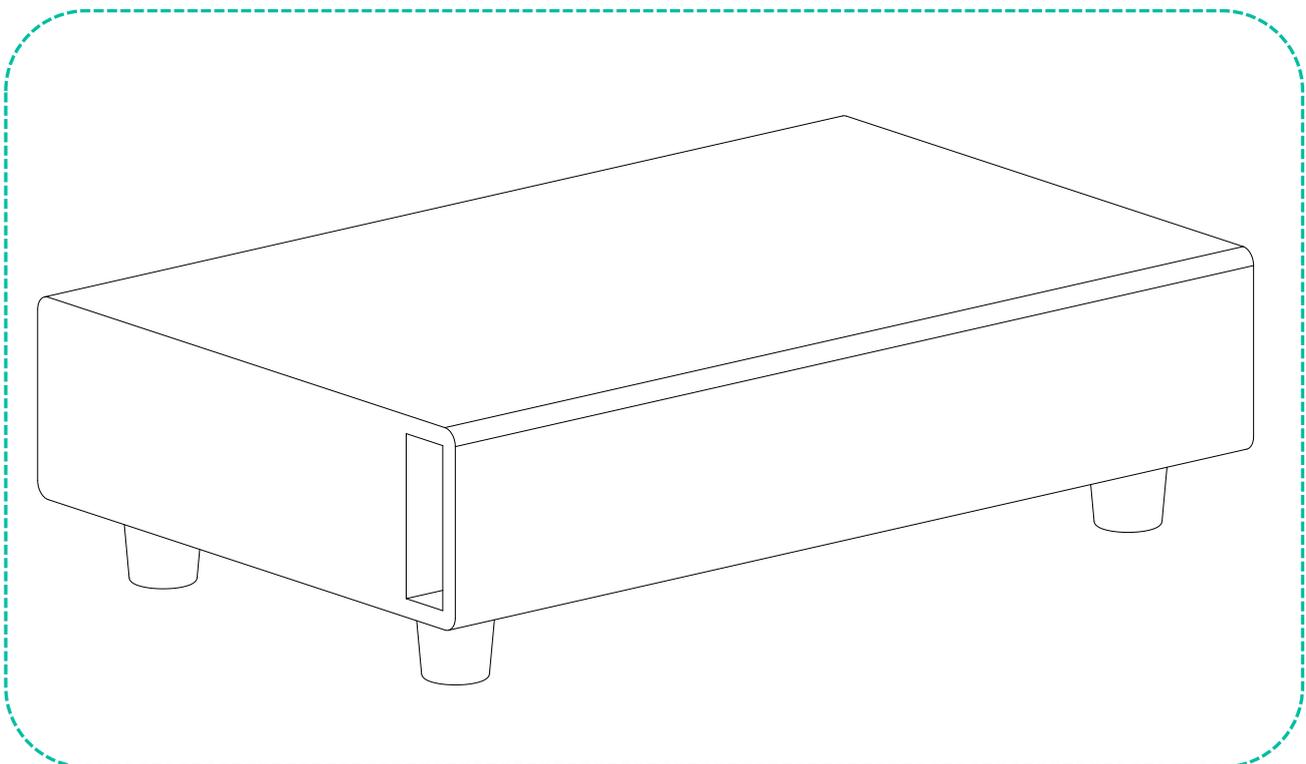> ⚠️ **Always place the speakers on solid and firm surfaces.**

- **As a subwoofer, the EDGE-SB110P has been designed to be installed in discrete places**. Low frequencies are considered to be non-directional so the **EDGE-SB110P can be perfectly placed in corners, under a table, behind curtains… that will not notably affect its output.** Generally, it should be known that **placing it close to various surfaces will increase its efficiency**.

> 💡 **The sound pressure level will be higher if you place the speaker on the ground in a corner rather than just beside a wall and even more that in the centre of a room.**

- **There is no rule governing the number of mid/high speakers per subwoofer**. **It mainly depends on the subwoofer location and on the room acoustics.** Thus, in a highly reflective room, a subwoofer may even damage intelligibility while several subwoofers could be necessary in a room with highly absorptive surfaces.

- **Adapt the sound pressure levels to the diffusion needs.**

5.2 Installation

5.2.1 Horizontal Floor Mounting

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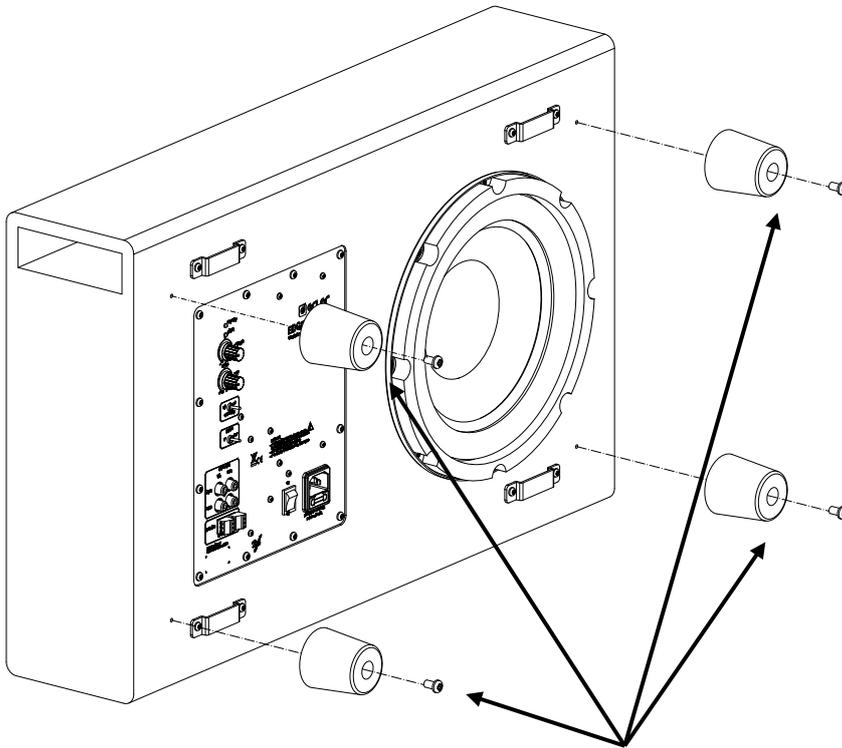DESCRIPTION & FEATURES

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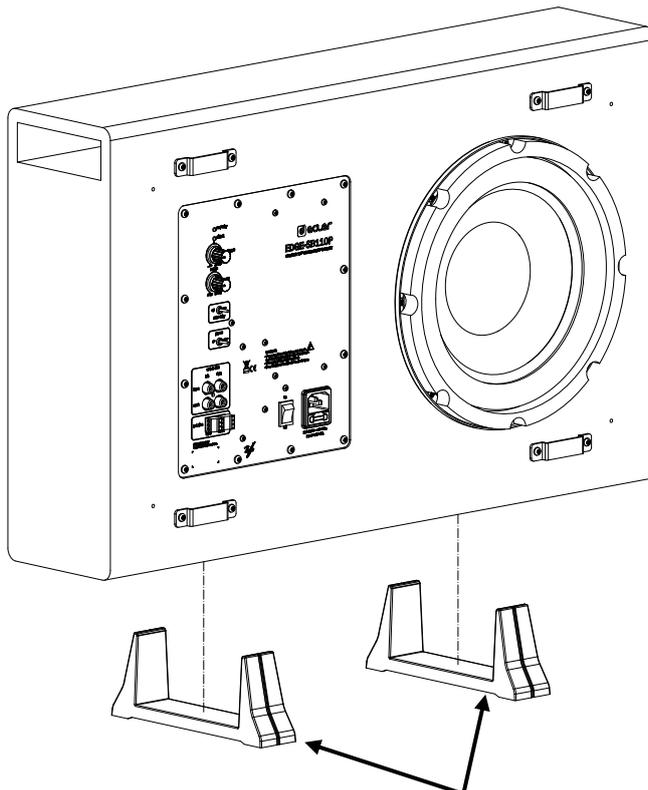CONNECTIONS & START UP

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5.2.2   Vertical Floor Mounting

1

Remove the four-rubber feet

2

Insert the 2 supplied floor supports

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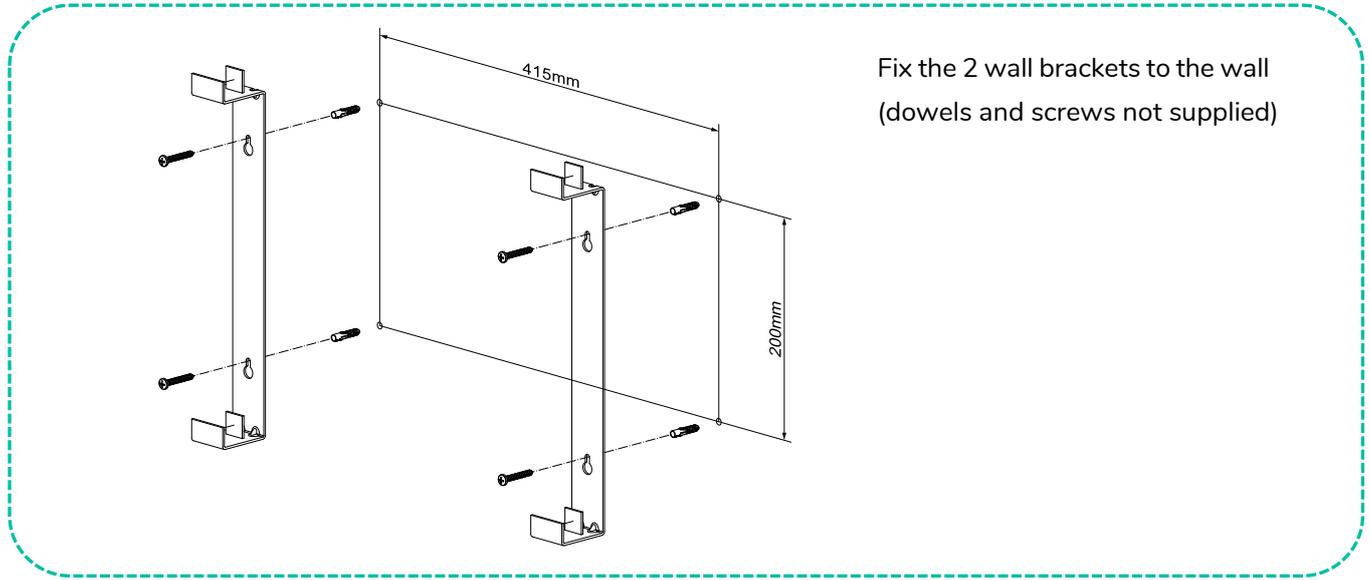
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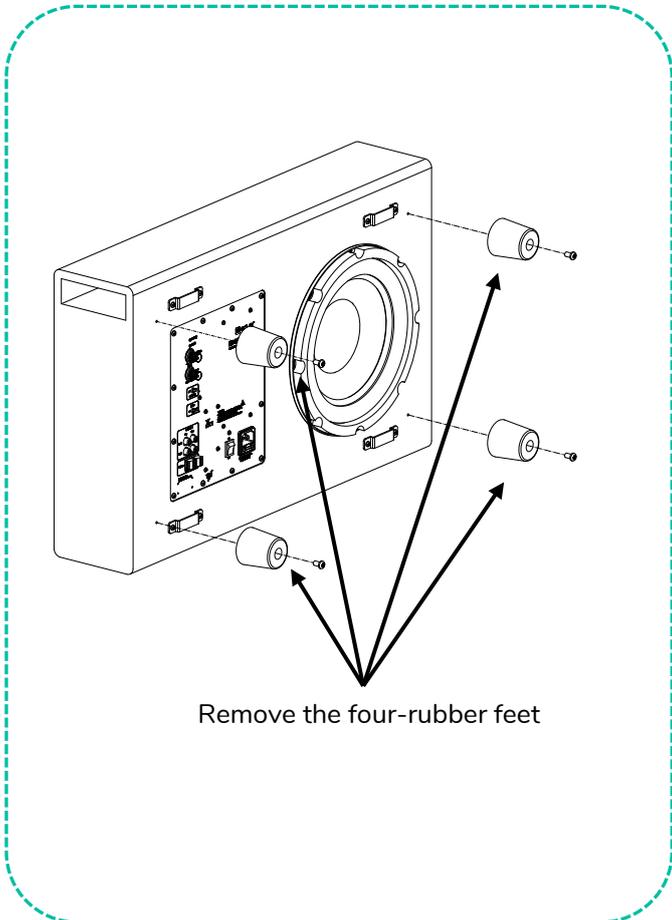CONNECTIONS & START UP

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5.2.3   Wall Mounting

1

415mm

200mm

Fix the 2 wall brackets to the wall
(dowels and screws not supplied)
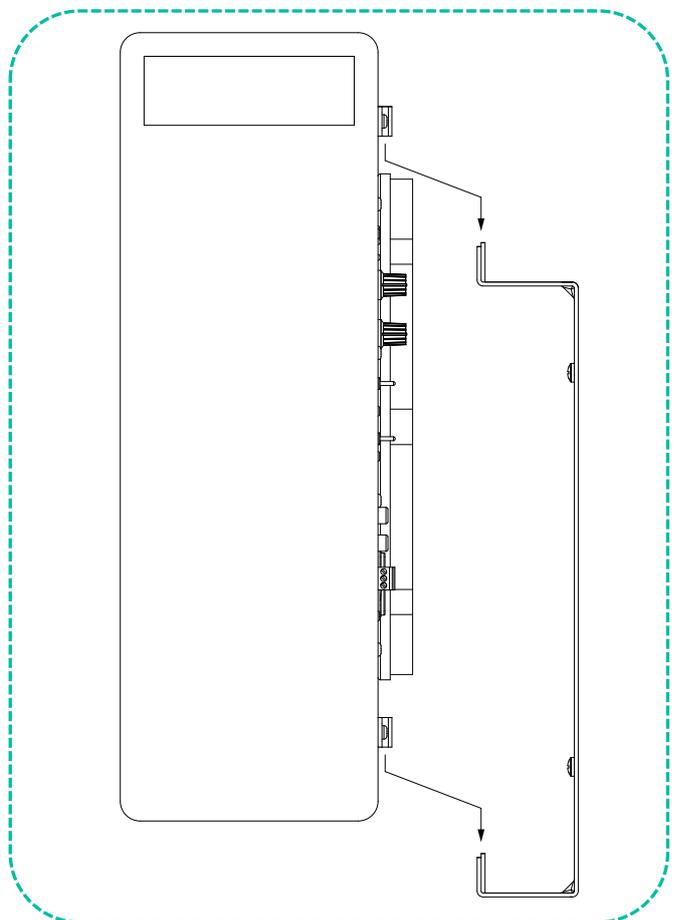
2

Remove the four-rubber feet

3

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6. CONNECTIONS & START UP

The EDGE-SB110P **has a balanced Euroblock audio input, a balanced Euroblock stack audio output, and two unbalanced RCA audio inputs, labelled left and right.** You can send them a mono or stereo line-level signal: the **SB110P internally works on mono signals** and, therefore, adds L and R input signals to obtain a valid signal to work on. You **can link a second EDGE-SB110P unit or other auxiliary equipment using L and R STACK outputs, also on RCA connectors.**

> 💡 **L and R STACK output signal is a copy of the original L and R INPUT signal**.

The **unit's AC power supply uses the supplied IEC lead**, and the unit is **turned on/off by the ON/OFF switch**. **The "ON" Led lights up in green when the unit is on and in orange after entering low consumption (standby) mode**, and this automatically happens after detecting no input signal for a few minutes. The unit also automatically returns to "ON" mode (green LED) when it re-detects an input signal.

The EDGE-SB110P **control panel also features the following user controls:**

- **VOLUME**: Control for adjusting the input signal attenuation. The 0dBV central position corresponds to the nominal equipment sensitivity.
- **LPF:** Control for adjusting the low pass frequency filter, from 50Hz to 250Hz.
- **AUTO-STBY**: This switch allows you to activate/deactivate the auto standby function.
- **PHASE: 0° / 180°.** This switch allows you to invert the phase of the input signal, so that output signal phase can be aligned with signals produced by the other system speakers.

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7.1 Rear Panel

1. **Mains socket**
2. **ON / OFF Switch**
3. **Balanced mono STACK Output (Euroblock).**
4. **Balanced mono INPUT (Euroblock).**
5. **Unbalanced L/R STACK Output (RCA)**
6. **Unbalanced L/R Input (RCA)**

7. **Selector switch, PHASE**
8. **Selector switch, Auto Standby On /Off**
9. **Low Pass Frequency selector, LPF**
10. **Input attenuator, VOLUME**
11. **SP/CLIP Indicator, SIGNAL**
12. **Visual indication for power, ON/STBY**

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8.1 Technical Specifications

EDGE-SB110P

SYSTEM	
Effective Freq. Range [1]	23Hz - 465Hz (-10dB)
Power handling	120W RMS / 480W Peak
Sensitivity [2]	97dB (1W/1m)
Maximum SPL [3]	118dB continuous / 124dB peak

TRANSDUCERS	
Ways	Subwoofer
Low frequency driver	10" woofer
Nominal impedance	8Ω

FILTERS	
Low-Pass filter selector	50Hz to 250Hz variable low pass filter
Crossover filter	No

PHYSICAL	
Connection type	RCA & Euro Terminal Block
Installation options	Surface, Wall mounting
Enclosure material	MDF
Mounting system	Wall support system & Supports-legs
Operating temperature	Min: -10°C ; 14°F
	Max: 40°C ; 104°F
Operating humidity	<85% HR
Storage temperature	Min: -10°C ; 14°F
	Max: 40°C ; 104°F
Storage humidity	<90% HR
Included accessories	Wall support system / Supports-legs / RCA cables
Finished colour	Black (RAL 9005)
Dimensions (WxHxD)	635 x 181 x 414 mm / 25 x 7.13 x 16.30 in.
Weight	10.35 Kg / 22.82 lb
Pieces per box	1 piece
Shipping dimensions (WxHxD)	758 x 268 x 515 mm / 29.84 x 10.55 x 20.28 in.
Shipping weight	12,9 Kg / 28.44 lb

[1] Below the sound pressure level at specified sensitivity

[2] Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 1 kHz.

[3] Calculated from sensitivity and power handling specifications, exclusive of power compression

8.2 Mechanical Diagram

All measurements are **in mm.**

Ecler EDGE-SB110P Mechanical Diagram

All the measurements are in mm

6I-II52-0I00

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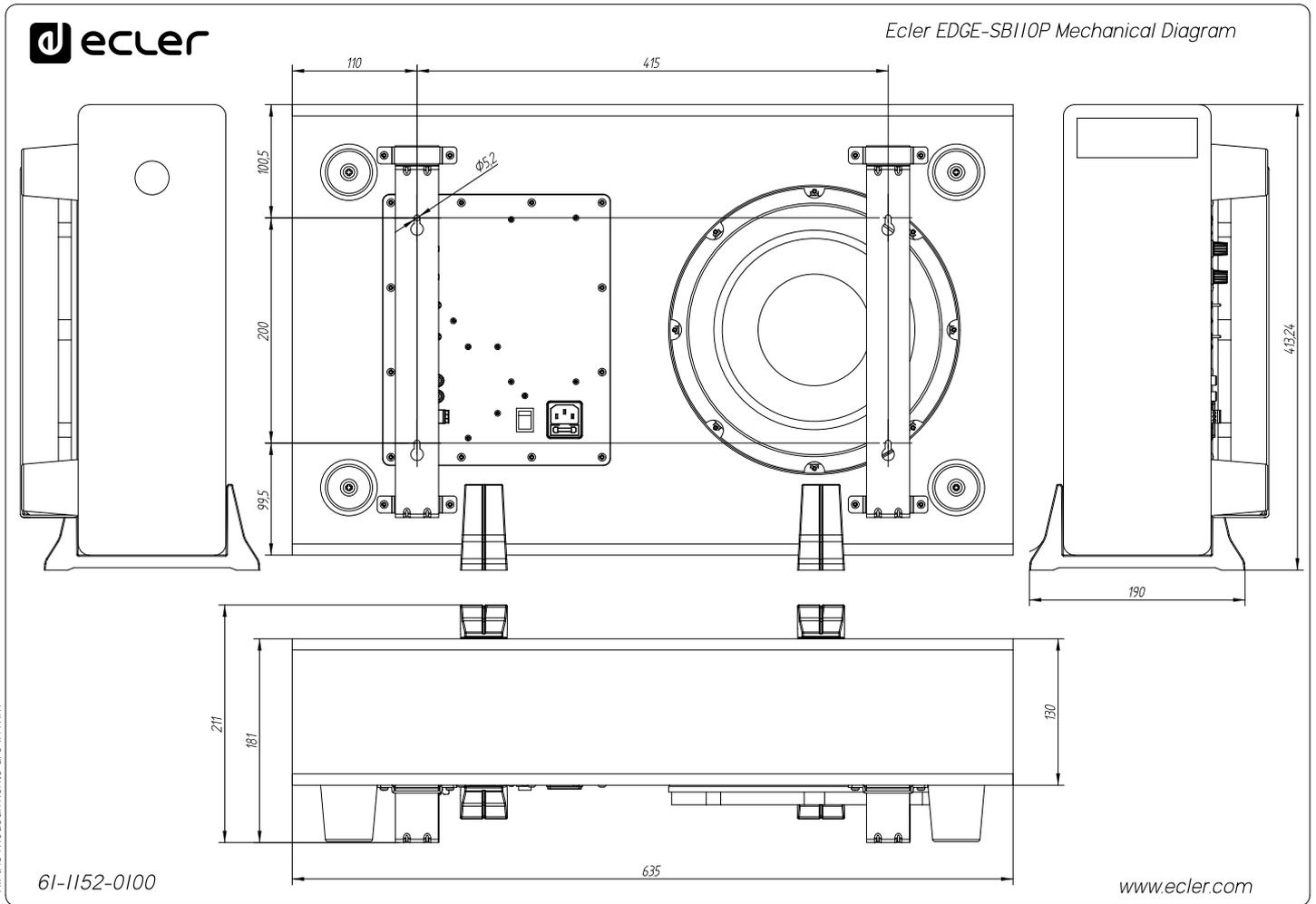
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